Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 21 Dec 2023 until 23:59 on Friday 22 Dec 2023

Forecast Issued on Thursday 21 Dec 2023 at 00:36

Confidence: High confidence for unsettled and windy conditions through the coming days. Lower for rain details.

Headline for Thursday 21 Dec 2023: Very windy with stormy conditions on the tops. Cloudy start with some rain then bright intervals and showers.

Mountain weather hazards on Thursday 21 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
Medium Likelihood

Gales
High Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Light rain	Light rain showers	Light rain showers	Light rain showers (night)	Light rain showers (night)
Precipitation probability					
80%	50%	30%	30%	30%	30%

Forecast for Thursday 21 Dec 2023

Weather: Cloudy at first with spells of rain, clearing mid to late morning. Thursday will then see a mixture of bright spells and a few showers. The very strong winds will be the main feature of the weather.

Chance of cloud-free hill tops above 600m: 10% at first becoming 80% by late morning.

Low cloud and visibility: Extensive cloud and fog above 400m at first, lifting and breaking by late morning. However, cloud still likely to reach highest summits during showers. Mainly good visibility during the day but occasionally poor in showers and very poor where low cloud covers hills.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Met Office Mountain Weather Forecast

Forecast for Thursday 21 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	49/61 W	47/62 W	43/58 W	40/54 W	35/48 W	31/44 W	31/44 W
300	38/51 W	37/53 W	33/48 W	31/45 W	27/40 W	23/34 W	24/36 W
Valley	26/52 W	26/51 W	24/48 W	23/46 W	19/40 W	16/35 W	18/37 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/0	6/-1	6/-1	5/-2	4/-3	4/-3	4/-3
300	9/3	8/3	8/3	8/2	6/1	6/1	6/1
Valley	9/5	9/5	9/5	8/4	7/2	7/2	7/2
Freezing Level*	2300m	1600m	1300m	1200m	1100m	1100m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very windy conditions with gusts of 50 to 75mph, with progress severely impeded and a high risk of being blown over. The character of the wind gusts will change later in the morning. Be prepared for sudden and violent gusts on lee slopes at first, with gusts then becoming strongest near showers and easing slightly.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 21 Dec 2023	14mm	17.6mm	27mm

Forecast for Friday 22 Dec 2023

Weather: Cloudy with outbreaks of rain, this heavy at times.

Maximum wind: West or Northwest 25 to 35mph, gusts 50 to 55mph.

Chance of cloud-free hill tops above 600m: 40%.

Low cloud and visibility: Occasional cloud and fog above 500-600m, but patchier in the east. Away from cloud, mainly good visibility but poor at times in rain.

Temperature: **Valleys:** Plus 5C rising to 9C.
At 600m: Plus 3C rising to 5C.
Freezing level: Above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.